

#6 IDS

ATTY. DOCKET NO.

SERIAL NO.

INFORMATION DISCLOSURE CITATION

871-31

08/817,689

APPLICANT

NATHAN et al

(Use several sheets if necessary)

FILING DATE

GROUP

15 June 1997

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| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
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| AK | 5166886 | 11/92 | Molnar | | | |
| AK | 5237157 | 8/93 | Kaplan | | | |
| AK | 4677565 | 6/87 | Ogaki | | | |
| AK | 4949187 | 8/90 | Cohen | | | |
| AK | 4920432 | 4/90 | Eggers | | | |
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| | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
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| AK | A 9318465 | 9/93 | WIPO | | | |
| AK | A 2122799 | 1/84 | Great Britain | | | |
| AK | A 9120082 | 12/91 | WIPO | | | |
| AK | A 2193420 | 2/88 | Great Britain | | | |
| AK | A0313359 | 4/89 | Europe | | | |
| AK | A2259398 | 3/93 | Great Britain | | | |
| AK | A3820835 | 1/89 | Germany | | | |
| AK | A2602352 | 2/88 | France | | | |
| AK | A0631283 | 12/94 | Europe | | | |
| AK | A0283350 | 9/88 | Europe | | | |
| AK | A94 03894 | 2/94 | WIPO | | | |
| AK | A9007843 | 7/90 | WIPO | | | |
| AK | A0082077 | 6/83 | Europe | | | |

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| *Examiner | Chad J. King | Date Considered 7/31/07 |

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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GROUP 2100**U.S. PATENT DOCUMENTS**

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|---------|-----------------|-------|----------|-------------------------------|
| <i>AK</i> | 4,597,058 | 6/1986 | IZUMI et al. | | | |
| <i>AK</i> | 4,186,438 | 1/1980 | BENSON et al. | | | |
| <i>AK</i> | 4,335,809 | 6/1982 | WAIN | | | |
| <i>AK</i> | 4,654,799 | 3/1987 | OGAKI et al. | | | |
| <i>AK</i> | 4,528,643 | 7/1985 | FREENY, Jr. | | | |
| <i>AK</i> | 4,703,465 | 10/1987 | PARKER | | | |
| <i>AK</i> | 4,787,050 | 11/1988 | SUZUKI | | | |
| <i>AK</i> | 5,418,713 | 5/1995 | ALLEN | | | |
| <i>AK</i> | 5,341,350 | 8/1994 | FRANK et al. | | | |
| <i>AK</i> | 4,958,835 | 9/1990 | TASHIRO et al. | | | |
| <i>AK</i> | 4,956,768 | 9/1990 | SIDI et al. | | | |
| <i>AK</i> | 4,922,420 | 5/1990 | NAKAGAWA et al. | | | |
| <i>AK</i> | 4,761,684 | 8/1988 | CLARK et al. | | | |
| <i>AK</i> | 4,667,802 | 5/1987 | VERDUIN et al. | | | |
| <i>AK</i> | 4,658,093 | 4/1987 | HELLMAN | | | |
| <i>AK</i> | 4,652,998 | 3/1987 | KOZA et al. | | | |
| <i>AK</i> | 4,636,951 | 1/1987 | HARLICK | | | |

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Group 2700**FOREIGN PATENT DOCUMENTS**

| DOCUMENT | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|-----------|---------|---------------|-------|----------|-------------|----|
| | | | | | YES | NO |
| 2,170,943 | 8/1986 | Great Britain | | | n/a | |
| 60-253082 | 12/1985 | Japan | | | X | |
| 2-153,665 | 6/1990 | Japan | | | X | |
| 63-60634 | 3/1988 | Japan | | | X | |
| 62-264496 | 12/1987 | Japan | | | X | |
| 58-179892 | 10/1983 | Japan | | | X | |
| 5-74078 | 10/1993 | Japan | | | X | |

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*Examiner

Charles Y. Kung

Date Considered

7/31/01

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

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|----------------------|-----------------|---------|----------------------|-------|----------|-------------------------------|
| AK | 4,582,324 | 4/1986 | KOZA et al. | | | |
| AK | 4,572,509 | 2/1986 | SITRICK | | | |
| AK | 4,521,014 | 6/1985 | SITRICK | | | |
| AK | 4,412,292 | 10/1983 | SEDAM et al. | | | |
| AK | 4,335,908 | 6/1982 | BURGE | | | |
| AK | 3,982,620 | 9/1976 | KORTENHAUS | | | |
| AK | 5,191,611 | 3/1993 | LANG | | | |
| AK | 5,058,089 | 10/1991 | YOSHIMARU et al. | | | |
| AK | 4,766,581 | 8/1988 | KORN et al. | | | |
| AK | 4,949,187 | 8/1990 | COHEN | | | |
| AK | 5,041,921 | 8/1991 | SCHEFFLER | | | |
| AK | 5,191,573 | 3/1993 | HAIR | | | |
| AK | 5,355,302 | 10/1994 | MARTIN et al. | | | |
| AK | 4,232,295 | 11/1980 | McCONNELL | | | |
| AK | 4,937,807 | 6/1990 | WEITZ et al. | | | |
| AK | 4,811,325 | 3/1989 | SHARPLES, Jr. et al. | | | |
| AK | 5,781,889 | 7/1998 | MARTIN et al. | | | |

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|----------|-----------|------------------------------|-------|----------|-------------|----|
| | | | | | YES | NO |
| AK | 62 192840 | Japan | | | X | |
| AK | 4 244 198 | Germany (see USPN 5,691,964) | | | | X |
| AK | 2,193,420 | Great Britain | | | n/a | |
| AK | 2,259,398 | Great Britain | | | n/a | |
| AK | 0 309 298 | Europe | | | n/a | |

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*Examiner

Andrew G. Bennett

Date Considered

7/31/01

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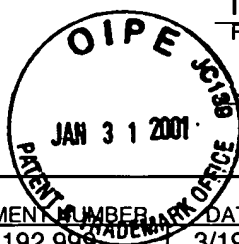
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|----------------------|-----------------|---------|------------|-------|----------|-------------------------------|
| AK | 5,192,999 | 3/1993 | Graczyk | | | |
| AK | 5,481,509 | 1/1996 | Knowles | | | |
| AK | 5,445,295 | 8/1995 | Brown | | | |
| AK | 5,341,350 | 8/1994 | Frank | | | |
| AK | 5,703,795 | 12/1997 | Mankowitz | | | |
| AK | 5,949,688 | 9/1999 | Montoya | | | |
| AK | 5,734,719 | 3/1998 | Tsevdos | | | |
| AK | 4,722,053 | 1/1988 | Dubno | | | |
| AK | 5,762,552 | 6/1998 | Vuong | | | |
| AK | 5,619,247 | 4/1997 | Russo | | | |
| AK | 5,513,117 | 4/1996 | Small | | | |
| AK | 5,431,492 | 7/1995 | Rothschild | | | |
| AK | 5,845,104 | 12/1998 | Rao | | | |
| AK | 4,999,806 | 3/1991 | Chernow | | | |
| AK | 5,548,729 | 8/1996 | Akiyoshi | | | |
| AK | 5,495,610 | 2/1996 | Shing | | | |
| AK | 5,734,961 | 3/1998 | Castille | | | |
| AK | 5,809,246 | 9/1998 | Goldman | | | |

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| | DOCUMENT | DATE | COUNTRY | CLASS | SUBCLASS | | YES | NO |
| AK | WO 95 03609 A | 2/1995 | WIPO <i>Abstract only</i> | | | | | |
| AK | WO 96 12258 A | 4/1996 | WIPO <i>Abstract only</i> | | | | | |
| AK | EPO 0 425 168 A | 5/1991 | Europe | | | | | |
| AK | WO 94 15416 A | 7/1994 | WIPO <i>Abstract only</i> | | | | | |
| AK | WO 86 01326 A | 2/1986 | WIPO | | | | | |

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| AK | "High-speed Opens and Shorts Substrate Tester", IBM Technical Disclosure Bulletin, Vol. 33, No. 12, May 1991, pages 251-259. | | |
| AK | Bonczek, Robert H. et al, "The DSS Development System", 1983 National Computer Conference, Anaheim, California, May 16-19, 1983, pp. 441-455. | | |
| AK | IBM Technical Disclosure Bulletin, Vol. 30, No. 5, October 1987, "Method for Automated Assembly of Software Versions", pp. 353-355. | | |
| AK | "Robotic Wafer Handling System for Class 10 Environments" IBM Technical Disclosure Bulletin, Vol. 32, No. 9A, Feb. 1990, pages 141-143. | | |
| AK | "Darts Revolution Again", Replay Magazine, March 1991, pages 146-148. | | |
| Examiner* | <i>Josh G. Lewis</i> | Date Considered | <i>7/31/01</i> |

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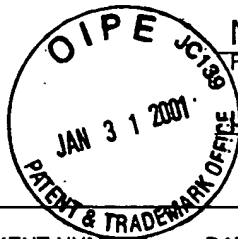
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| AK | 4,704,804 | 11/1987 | Leal | | | |
| AK | 5,375,206 | 12/1994 | Hunter | | | |
| AK | 4,924,378 | 5/1990 | Hershey | | | |
| AK | 5,138,712 | 8/1992 | Corbin | | | |
| AK | 5,260,999 | 11/1993 | Wyman | | | |
| AK | 5,559,505 | 9/1996 | McNair | | | |
| AK | 5,496,178 | 3/1996 | Back | | | |
| AK | 5,594,509 | 1/1997 | Florin | | | |
| AK | 5,613,909 | 3/1997 | Stelovsky | | | |
| AK | 5,691,778 | 11/1997 | Song | | | |
| AK | 5,774,672 | 6/1998 | Funahashi | | | |
| AK | 5,357,276 | 10/1994 | Banker | | | |
| AK | 5,684,716 | 11/1997 | Freeman | | | |
| AK | 5,668,592 | 9/1997 | Spaulding | | | |
| AK | 5,339,413 | 6/1994 | Koval | | | |
| AK | 5,457,305 | 10/1995 | Akel | | | |
| AK | 5,465,213 | 11/1995 | Ross | | | |
| AK | 5,712,976 | 1/1998 | Falcon | | | |
| AK | 5,761,655 | 6/1998 | Hoffman | | | |

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| | | | | | | YES | NO |
| AK | WO 96/12256 | 4/1996 | WIPO ABSTRACT ONLY | | | | |
| AK | EPO 0283304 | 9/1988 | Europe | | | | |
| AK | EPO 0363186 | 4/1990 | Europe | | | | |
| AK | EPO 0480558 | 4/1992 | Europe | | | | |
| AK | JP 57-173207 | 10/1982 | Japan (Abstract only) | | | | |
| AK | JP10-098344 | 4/1998 | Japan (Abstract only) | | | | |
| AK | JP 08-279235 | 10/1996 | Japan (Abstract only) | | | | |
| AK | WO 98/45835 | 10/1998 | WIPO ABSTRACT ONLY | | | | |
| AK | EP 0919964 | 6/1999 | Europe | | | | |

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|---------------|---|-----------------|---------|
| AK | Galen A. Grimes, " Chapter 18, Taking Advantage of Web-based Audio." | | |
| AK | Petri Koskelainem "Report on Streamworks ™" | | |
| AK | W. Richard Stevens, "TCP/IP Illustrated: Vol. 1, the Protocols" | | |
| AK | Nowell-Downlaw "Virtual Servers Offer Performance benefits for Networks Imaging" | | |
| Examiner* |  | Date Considered | 7/31/01 |

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U.S. PATENT DOCUMENTS

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|----------------------|-----------------|---------|------------|-------|----------|-------------------------------|
| AK | 5,832,287 | 11/1998 | Atalla | | | |
| AK | 5,915,094 | 6/1999 | Kouloheris | | | |
| AK | 5,887,193 | 3/1999 | Takahashi | | | |
| AK | 5,835,843 | 11/1998 | Haddad | | | |
| AK | 5,884,028 | 3/1999 | Kindell | | | |
| AK | 5,276,866 | 1/1994 | Paolini | | | |
| AK | 5,583,994 | 12/1996 | Rangan | | | |
| AK | 5,475,835 | 12/1995 | Hickey | | | |
| AK | 5,966,495 | 10/1999 | Takahashi | | | |
| AK | 5,559,549 | 9/1996 | Hendricks | | | |
| AK | 5,511,000 | 4/1996 | Kaloi | | | |
| AK | 6,018,337 | 1/2000 | Peters | | | |
| AK | 4,926,485 | 5/1990 | Yamashita | | | |
| AK | 5,726,909 | 3/1998 | Krikorian | | | |
| AK | 4,558,413 | 12/1985 | Schmidt | | | |
| AK | 5,708,811 | 1/1998 | Arendt | | | |
| AK | 5,913,040 | 6/1999 | Rakavy | | | |
| AK | 5,959,869 | 9/1999 | Miller | | | |

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| | DOCUMENT | DATE | COUNTRY | CLASS | SUBCLASS | | YES | NO |
| AK | WO 96/12255 | 4/1996 | WIPO ABSTRACT ONLY | | | | | |
| AK | EP0817103 | 1/1998 | Europe | | | | | |
| | EP 0982695 | 3/2000 | Europe | | | | | |
| AK | EP 0498130 | 8/1992 | Europe | | | | | |
| AK | EP 0632371 | 1/1995 | Europe | | | | | |
| AK | EP 0841616A2 | 5/1998 | Europe | | | | | |
| AK | EP 0498130A2 | 8/1992 | Europe | | | | | |
| AK | WO 96/12257 | 4/1996 | WIPO ABSTRACT ONLY | | | | | |

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| Examiner* | Andrew J. Kowalski | | | Date Considered | 7/31/01 | | | |

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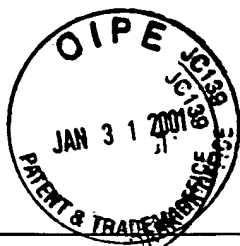
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U.S. PATENT DOCUMENTS

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| AK | 5,930,765 | 7/1999 | Martin | | | |
| AK | 5,774,668 | 6/1998 | Choquier | | | |
| AK | 5,867,714 | 2/1999 | Todd | | | |
| AK | 5,790,856 | 8/1998 | Lillich | | | |
| AK | 5,923,885 | 7/1999 | Johnson | | | |
| AK | 6,009,274 | 12/1999 | Fletcher | | | |
| AK | 5,619,698 | 4/1997 | Lillich | | | |
| AK | 5,455,926 | 10/1995 | Keele | | | |
| AK | 5,644,766 | 7/1997 | Coy | | | |
| AK | 5,802,599 | 9/1998 | Cabrera | | | |
| AK | 5,250,747 | 10/1993 | Tsumura | | | |
| AK | 5,623,666 | 4/1997 | Pike | | | |
| AK | 5,808,224 | 9/1998 | Kato | | | |
| AK | 5,884,298 | 3/1999 | Smith | | | |
| AK | 5,555,244 | 9/1996 | Gupta | | | |
| AK | 5,369,778 | 11/1994 | SanSoucie | | | |
| AK | 5,155,847 | 10/1992 | Kirouac | | | |
| AK | 5,550,577 | 8/1996 | Verbiest | | | |
| AK | 5,557,541 | 9/1996 | Schulhof | | | |

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| | DOCUMENT | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
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| | | | | | | YES | NO |
| | EP 0706122 B1 | 7/1997 | Europe | | | | |
| AK | GB 2 238680 A | 6/1991 | Great Britain | | | | |
| | DE 19610739 | 9/1997 | Germany | | | | |
| | EPO 0250921 | 2/1988 | Europe | | | | |
| AK | WO 94/15306 | 7/1994 | WIPO | | | | |
| AK | GB 2,262,170 A | 6/1993 | Great Britain | | | | |
| AK | EPO 0,340,787 | 11/1989 | Europe | | | | |
| AK | WO 93/16557 | 8/1993 | WIPO | | | | |

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Examiner*

G. Y. King

Date Considered

7/31/01

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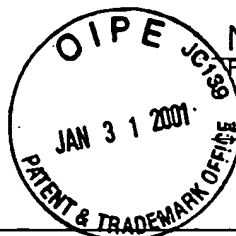
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|----------------------|-----------------|---------|------------|-------|----------|-------------------------------|
| AK | 5,642,337 | 6/1997 | Oskay | | | |
| AK | 5,854,887 | 12/1998 | Kindell | | | |
| AK | 5,915,238 | 6/1999 | Tjaden | | | |
| AK | 5,790,671 | 8/1998 | Cooper | | | |
| AK | 5,566,237 | 10/1996 | Dobbs | | | |
| AK | 5,959,945 | 9/1999 | Kleiman | | | |
| AK | 5,239,480 | 8/1993 | Huegel | | | |
| AK | 5,203,028 | 4/1993 | Shiraishi | | | |
| AK | 4,825,054 | 4/1989 | Rust | | | |
| AK | 5,428,252 | 6/1995 | Walker | | | |
| AK | 4,677,311 | 6/1987 | Morita | | | |
| AK | 5,315,161 | 5/1994 | Robinson | | | |
| AK | 4,675,538 | 6/1987 | Epstein | | | |
| AK | 4,868,832 | 9/1989 | Marrington | | | |
| AK | 5,012,121 | 4/1991 | Hammond | | | |
| AK | 5,612,581 | 3/1997 | Kageyama | | | |
| AK | 5,570,363 | 10/1996 | Holm | | | |
| AK | 4,829,570 | 5/1989 | Schotz | | | |
| AK | 6,151,634 | 11/2000 | Glaser | | | |

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| | | | | | | YES | NO |
| AK | WO 94/14273 | 6/1994 | WIPO | | | | |
| | EP 0538319 B1 | 4/1993 | Europe | | | | |
| | DE 3820895 A1 | 1/1989 | Germany | | | | |
| AK | EP 0140593 A2 | 5/1985 | Europe | | | | |
| AK | GB 2166328A | 4/1986 | Great Britain | | | | |
| AK | WO 95/29537 | 11/1995 | WIPO | | | | |
| | DE 3,723,797 A1 | 1/1988 | Germany | | | | |
| AK | EP 0464562 A2 | 1/1992 | Europe | | | | |

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Examiner* *Andrew J. Thomas* Date Considered 7/31/01

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| Examiner* | <i>Chad Y. Kung</i> | Date Considered | 7/31/01 |
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

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